

CHARCOAL GRANULATION AND BRIQUETTING

EURAGGLO offers a briquetting, compacting and granulation process based on the technology of roller presses and compactors.

This process allows the agglomeration of charcoal fines which can be briquetted into square pillow or ovoid shape to produce barbecue fuel or for industrial use.

To obtain suitable briquettes, charcoal fines generally need to be crushed into an acceptable size range and mixed with an appropriate binder before briquetting.

Proposed Services

- Audit of existing units.
- Applied R&D in pilot plant.
- Engineering process.
- Manufacturing of compactors and granulators.
- Integration of complementary equipments (dryer, crusher, mixer...).
- Maintenance and associated on-site services.

PROCESS

The process consists in agglomerating charcoal fines into a homogeneous final briquette. Usually, a typical plant is composed of a preparation section with a crushing step, a mixing step of the fine coal with a binder before conveying to the briquetting press, a post treatment of the formed briquettes such as screening to remove fines and flashings (which are sent back to the process) and the drying of the briquettes before bagging.

Briquettes from a roller press generally weigh between 20 and 100 grams but larger sizes can also be produced for special applications.

ADVANTAGES

- A large choice of briquetting press capacity and design (from few tonnes to 10 MTPH or more...).
- A proven process : many references of such plants in operation worldwide.
- An experience in different processes and applications involving different binders and process considerations.



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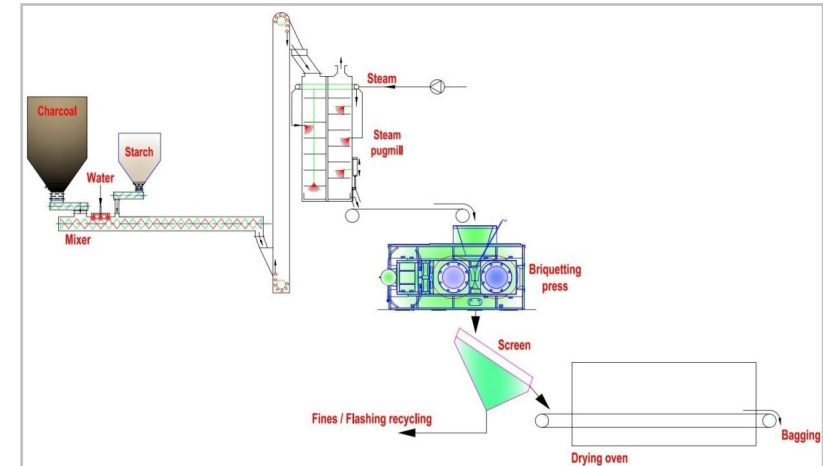
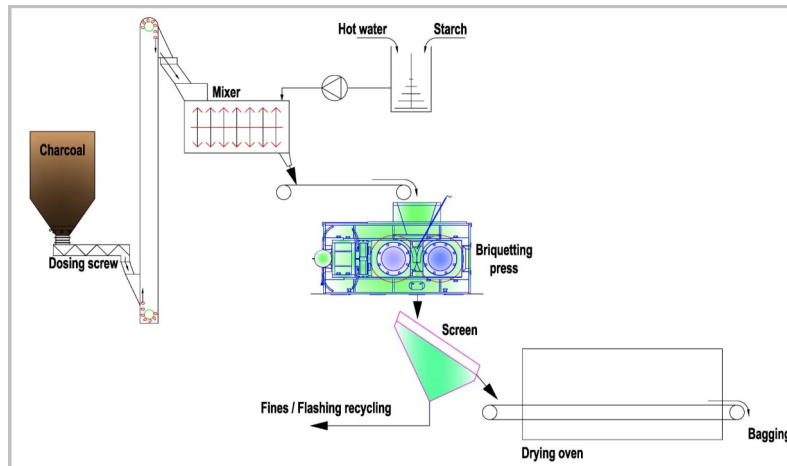


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Example of a EURAGGLO agglomeration of charcoal

Briquetting line for charcoal with starch cooker

Briquetting line for charcoal with steam pugmill



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